



Roundup Xtend 2 Complete

*Potential EUP  
Study Locations*

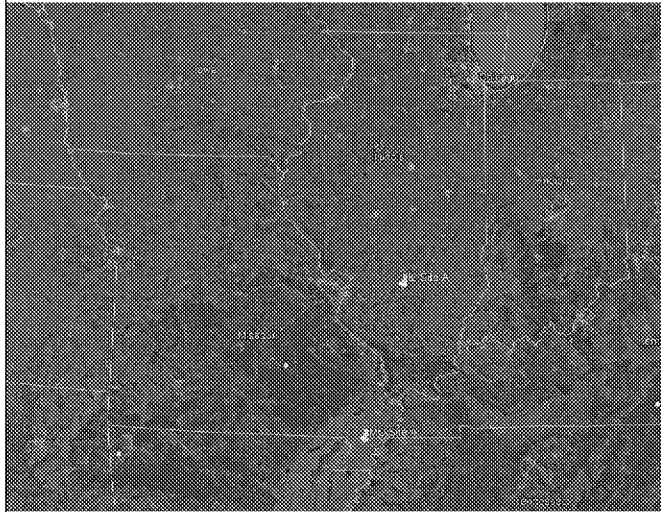
4/15/2017





## Two Potential Study Locations

Utilization of study locations requires EUP approval by late June



Fields are located in southern Illinois and Southeast Missouri (Bootheel)

~20 ac spray area located in larger fields

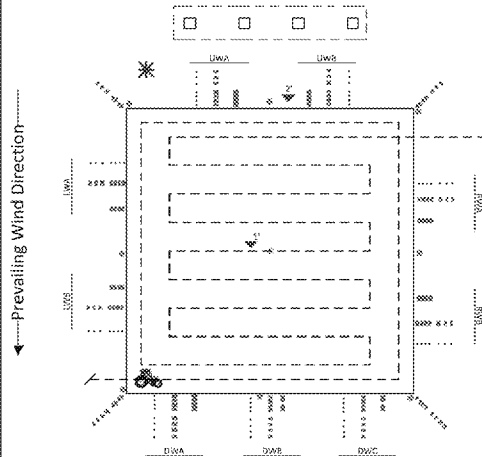
Spray area planted in DT-soybean

Area surrounding the spray area planted in dicamba-sensitive soybean

Same study design that is being used for Xtendimax/Engenia/Tavium Conditions of Registration studies could be used at these locations



## "Hybrid" Study Design



Transect Designation (e.g., UWA -- Upwind Transects A for deposition, plant effects tarped, and plant effects untarped)

- Deposition Filter Paper Sampler (3, 5, 10, 20, 40, 50, 60 m; DW additional samplers at 90 m)
- Center Mast Flux Sampler (0.15, 0.33, 0.55, 0.9, 1.5 m)

- Perimeter Flux Sampler (1.5 m)
- 1 Primary Flux Met Station (0.33, 0.55, 0.9, 1.5 m)
- 2 Secondary Flux Met Station (0.33, 0.55, 0.9, 1.5 m)
- \* Main Met Station (1.7, 5, 10 m)

### Control

- Plant Effects (Visual Symptomology and Plant Height)
- Designated Upwind Area (4 locations within control plot)

### DAT 0

- Plant Effects (Visual Symptomology and Plant Height)
- Each Transect (3 locations within each 0-60 m for spray drift; DW within 0-90 m for spray drift)
- Plant Effects (Visual Symptomology and Plant Height)
- Each Transect (2 locations within each 0-20 m for volatility)

### DAT 14/28

- Plant Effects (Visual Symptomology and Plant Height)
- Drift and Volatility Transects [Untarped] (each location 3, 5, 10, 20, 40, 50, 60 m; DW additional measurements at 90 m)
- Plant Effects (Visual Symptomology and Plant Height)
- Volatility Transects [Tarped ~100 ft] (each location 3, 5, 10, 20 m)

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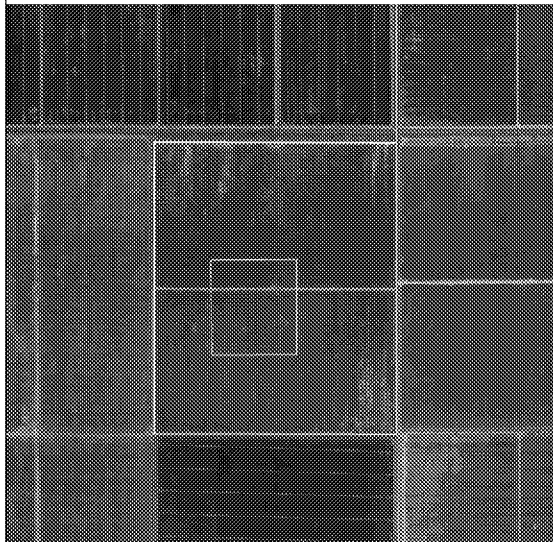
## Potential Illinois Location



- # IL Planted: 6/3/2019.
- # IL Estimated Spray: ~7/8-15/2019
  - # Pending growing conditions, up to R1
  - # Only, if permissions are granted from IL regulators to spray past June 30<sup>th</sup> cutoff date.
- # ~420ft from application area (shown in green) to closest neighboring field (east)
  - # Even further in most other directions (~700ft – 1,200ft)
- # The lease area (~117ac, shown in yellow) sits within an even larger field (~230ac) which is managed by the cooperator
- # Neighboring fields to West and North are Corn and being managed by the cooperator.



## Potential Missouri Location



- # MO Planted: 5/28/2019
- # MO Target Spray Range: 6/25/2019 – 7/10/2019
- # Pending growing conditions, up to R1
  
- # ~620ft from application area (shown in green) to closest neighboring field (west), which is managed by the cooperator (Jason Bean) and is planted in Rice.
- # Even further in most other directions (~700ft – 1,100ft)
- # The lease area (~155A, shown in yellow) is bordered by mostly Rice, which are also being managed by the cooperator.